

# CreatBot F1000



## 1. Smart Dual Extruders 420 °C

F1000 is embedded with new smart dual-extruder kit hotend temperature up to 420 °C, it is able to print not only huge PLA prototype with fastest speed, but also ABS, PC, Nylon, Carbon Fiber, Flexible and more high performance material for direct application. The dual-hotend is easy to maintain and affordable to replace.



## 2. High Precision

We exclusively research and develop the extruder feeding system to support high-speed printing, and accuracy can reach up to 0.1 mm, it allows to extrude filament steady without block.

Precision up to: 0.1 mm Speed up to: 200 mm/s



### 3.Stability

The whole-steel body not only ensure the stability during printing but also greatly extend working life. The optimization and cooperation of overall structure ensure the sustainable and efficient operation. The first batch of CreatBot 3d printers with whole-steel body have been working for 9 years and more than 30,000 hours.



### 4. Accurate Linear Guide Rail

The accurate linear rail structure can print models in accuracy high reach to 4~5 times higher than the other ordinary optical axis printers in mass market. This structure offers accurate filament feeding, so that can print large model fast and perfectly.



### 5. Fully Enclosed Chamber

Hot Chamber + Filament Drying Room

The fully enclosed chamber can block all external interference. Also this frame can reduce noises, at the same time to provide constant temperature, so that the model won't deform.

60 °C hot chamber ensures print quality for high performance materials.

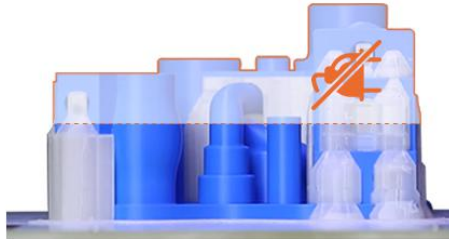
The consumable drying chamber provides chamber temperatures of 45 °C and 65 °C to dry nylon, PC, ABS and other materials with high water absorption.



## 6. Outage Restored & Filament Detection

The printer will automatically memorize the current position and save print data. Lower the platform and withdraw filament when power off suddenly. It will continue to print from the last stopped point after power's on.

The printer will avoid invalid printing by stopping print and warning when filament runs out.



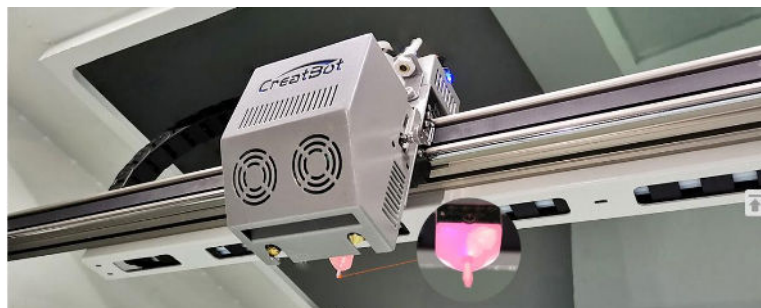
## 7. Camera Control Technology

Camera control technology allow customers to control printing process on speed,pause,temp.etc with an APP remotely, which can get best printing quality with shortest time without failure. A very useful feature on large model and long time printing.



## 8. Auto Leveling Platform Pro

Use of 25 points through the BL-Touch probe to save the level of platform flatness data at the initial, through the Z axis intelligent compensation table height in the printing process to achieve fully automatic leveling.



Model: Prop snake head  
 Material: PLA +  
 Weight: 35 kg (7\*5 kg/roll)  
 Nozzle: 1.2 mm  
  
 Dimension: 990\*980\*950 mm  
 Infill: 5%  
 Layer height: 0.5 mm  
 Time: 250 hours



Model: Male statue  
 Material: PLA +  
 Weight: 15 kg  
 Nozzle: 1.2 mm  
  
 Dimension: 1 800\*550\*300 mm  
 Infill: 5%  
 Layer height: 0.5 mm  
 Time: 150 hours



## Technical Specs

Printing	
Print Technology	Fused Deposition Modeling
Build Volume	1 000*1 000*1 000 mm
Number of Nozzles	Double
Resolution	0.1 mm
Layer Resolution	0.05 mm
Filament Diameter	1.75 mm
Filament Compatibility	ABS,PLA,Carbon Fiber,PETG,Nylon,PC,etc.
Nozzle Diameter	1.0 mm (0.4~1.5 mm)
Print File Type	STL, OBJ, AMF, Gcode
Temperature	
Max. Nozzle Temperature	420 °C
Max. Bed Temperature	100 °C
Hot Chamber Temperature	60 °C
Filament Dry Room Temperature	45 °C/65 °C
Mechanical	
Construction	Power-Coated Steel, Aluminum Casting for Motion Components, POM
Build Plate	Glass Ceramic Panel
Build Plate Leveling	Automatic
Extruder	Smart Dual Extruders
Stepper Motors	1.8° Step Angle with 1/16 Micro-stepping
X Y Positioning Precision	0.011 mm
Z Positioning Precision	0.002 5 mm
Software	

Software Bundle	CreatWare, Simplify 3D, Cura, Slice 3r, etc
Supported File Types	STL,OBJ,Gcode,AMF
Operating Systems	Win7/8/10, MacOS
Special Function	
Outage Restored	Save data when power is off
Filament Detection	Pause printing when filament run out
Automatic Shut-down	Turn off the power automatically when printing is complete
Camera control	Camera remote monitoring and real-time control of the printing process
Speed	
Best Printing speed	60 mm/s
Max. Printing speed	120 mm/s
Electrical	
Power Requirements	220~240 V, 50~60 Hz
Screen	9.7-inch full color touch screen independent operating system (multi-language)
Max. Power	4 000 W
Storage Media	U Disk
Connectivity	USB
Size & Weight	
Product Dimensions & Weight	1 740*1 300*1 920 mm 550 kg
Packing Size & Weight	1 910*1 510*2 205 mm 640 kg